

Comparisons of Job Characteristics

Focus Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation: Landscape Architects (17-1012)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 78

Focus Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation: Landscape Architects (17-1012)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Design	5.2	22.8	25.0	0	Current knowledge level may be sufficient
Building and Construction	4.0	18.1	22.4	>>	Current knowledge level is likely more than sufficient
Geography	3.9	17.5	8.2	<<	Extensive education and/or training may be required
Engineering and Technology	5.7	15.6	20.3	>>	Current knowledge level is likely more than sufficient
Administration and Management	8.4	14.4	14.9	0	Current knowledge level may be sufficient
Biology	3.7	13.9	2.7	<<	Extensive education and/or training may be required
Sales and Marketing	5.2	13.9	14.0	0	Current knowledge level may be sufficient
Public Safety and Security	6.9	13.8	14.2	0	Current knowledge level may be sufficient
Law and Government	5.9	12.4	13.4	0	Current knowledge level may be sufficient
Fine Arts	2.2	11.8	10.4	<	Expanded education and/or training may be required
Sociology and Anthropology	4.1	11.4	9.6	<	Expanded education and/or training may be required
Personnel and Human Resources	5.6	10.7	9.8	0	Current knowledge level may be sufficient
Transportation	4.6	10.4	5.8	<<	Extensive education and/or training may be required
Communications and Media	5.3	9.7	7.7	<	Expanded education and/or training may be required
History and Archeology	2.6	9.3	7.2	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation: Landscape Architects (17-1012)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Coordination	9.1	12.0	12.6	0	Current skill level may be sufficient
Operations Analysis	5.0	11.9	12.7	0	Current skill level may be sufficient
Systems Evaluation	6.4	10.7	9.9	0	Current skill level may be sufficient
Persuasion	7.4	10.5	10.8	0	Current skill level may be sufficient
Management of Personnel Resources	6.9	10.2	10.3	0	Current skill level may be sufficient
Negotiation	6.8	10.0	10.8	0	Current skill level may be sufficient
Management of Financial Resources	3.3	6.4	9.5	>>	Skill level is likely more than sufficient
Management of Material Resources	3.7	6.1	8.8	>>	Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: Architects, Except Landscape and Naval (17-1011)

Associated Occupation: Landscape Architects (17-1012)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Oral Expression	12.4	14.0	15.4	0	Current ability level may be sufficient
Oral Comprehension	12.5	13.9	15.4	>	Current ability level is likely sufficient
Written Comprehension	11.0	13.0	14.5	>	Current ability level is likely sufficient
Deductive Reasoning	10.6	12.8	16.5	>>	Current ability level is likely more than sufficient
Written Expression	9.8	12.8	13.4	0	Current ability level may be sufficient
Visualization	7.5	12.2	16.9	>>	Current ability level is likely more than sufficient
Problem Sensitivity	11.1	12.0	15.5	>>	Current ability level is likely more than sufficient
Originality	7.6	11.8	15.0	>>	Current ability level is likely more than sufficient
Category Flexibility	9.0	11.5	13.9	>	Current ability level is likely sufficient
Fluency of Ideas	7.6	11.0	15.2	>>	Current ability level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 99

Focus Occupation: Architects, Except Landscape and Naval (17-1011)
Associated Occupation: Landscape Architects (17-1012)

Work Activities	Exclusivity of Activity
Advise clients or customers	19
Analyze project proposal to determine feasibility, cost, or time	69
Analyze scientific research data or investigative findings	27
Analyze spatial data	87
Analyze technical data, designs, or preliminary specifications	47
Bid engineering, construction or extraction projects	80
Communicate technical information	4
Confer with engineering, technical or manufacturing personnel	25
Convert design specifications to cost estimates	89
Design construction projects	81
Develop or maintain databases	30
Develop plans for programs or projects	31
Develop tables depicting data	33
Draw maps or charts	69
Draw prototypes, plans, or maps to scale	57
Estimate time needed for project	64
Estimate time or cost for installation, repair, or construction projects	54
Inspect project operations, or site to determine specification compliance	72
Interpret aerial photographs	69
Interpret maps for architecture, construction, or engineering project	77
Make presentations	13
Obtain information from individuals	24
Prepare reports	8
Prepare technical reports or related documentation	22
Read blueprints	10
Read maps	42
Read technical drawings	7
Research property records	77
Understand engineering data or reports	48
Understand property documents	77
Use building or land use regulations	65
Use computer aided drafting or design software for design, drafting, modeling, or other engineering tasks	58
Use computer graphics design software	70
Use computers to enter, access or retrieve data	3
Use drafting or mechanical drawing techniques	50
Use field notes in technical drawings	78
Use government regulations	44
Use graphic arts techniques	78
Use knowledge of regulations in surveying or construction activities	78

Use mathematical or statistical methods to identify or analyze problems	30
Use project management techniques	47
Use relational database software	26
Use spreadsheet software	18
Use technical regulations for engineering problems	61
Use word processing or desktop publishing software	17
Write business project or bid proposals	48

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 85

Focus Occupation: Architects, Except Landscape and Naval (17-1011)
Associated Occupation: Landscape Architects (17-1012)

Tools and Technologies	Exclusivity
Business function specific software	1
Cameras	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Industry specific software	1
Information exchange software	1
Network applications software	1

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.